

COC# 92

11720 North Creek Pkwy N, Suite 400, Bothell, WA 98011-8244  
East 11115 Montgomery, Suite B, Spokane, WA 99206-4776  
9405 S.W. Nimbus Avenue, Beaverton, OR 97008-7132  
20332 Empire Avenue, Suite F-1, Bend, OR 97701-5711

(425) 420-9200 FAX 420-9210  
(509) 924-9200 FAX 924-9290  
(503) 906-9200 FAX 906-9210  
(541) 383-9310 FAX 382-7588

## CHAIN OF CUSTODY REPORT

Work Order #: M106053

CLIENT: <b>BRISTOL</b>		INVOICE TO: <b>BRISTOL</b>										<b>TURNAROUND REQUEST in Business Days*</b> Organic & Inorganic Analyses <table border="1"><tr><td>10</td><td>7</td><td>5</td><td>4</td><td>3</td><td>2</td><td>1</td><td>&lt;1</td></tr></table> STD. Petroleum Hydrocarbon Analyses <table border="1"><tr><td>5</td><td>4</td><td>3</td><td>2</td><td>1</td><td>&lt;1</td></tr></table> STD. <b>OTHER</b> Please Specify _____ <small>*Turnaround Requests less than standard may incur Rush Charges.</small>				10	7	5	4	3	2	1	<1	5	4	3	2	1	<1
10	7	5	4	3	2	1	<1																						
5	4	3	2	1	<1																								
REPORT TO: <b>ANNE KRANAWETTER</b>		P.O. NUMBER: <b>21090</b>																											
ADDRESS: <b>AMCHITKA ISLAND, ALASKA</b>		PROJECT NAME: <b>AMCHITKA</b>																											
PHONE: <b>907-770-0974</b> FAX: <b>770-0975</b>		PROJECT NUMBER: <b>21090</b>																											
SAMPLED BY:		REQUESTED ANALYSES																											
CLIENT SAMPLE IDENTIFICATION		SAMPLING DATE/TIME		HCTD										MATRIX (W, S, O)		# OF CONT.		COMMENTS		NCA WO ID									
1. <b>61AMC210152</b>		<b>6/16/01 1710</b>		<b>X</b>										<b>S</b>		<b>1</b>													
2.																													
3.																													
4.																													
5.																													
6.																													
7.																													
8.																													
9.																													
10.																													
11.																													
12.																													
13.																													
14.																													
15.																													
RELINQUISHED BY: <b>Anne Kranawetter</b>				DATE: <b>6/16/01</b>				RECEIVED BY: <b>Craig Brodie</b>				DATE: <b>6/16/01</b>																	
PRINT NAME: <b>Anne Kranawetter</b> FIRM: <b>BRISTOL</b>				TIME: <b>1758</b>				PRINT NAME: <b>Craig Brodie</b> FIRM: <b>NCA</b>				TIME: <b>1758</b>																	
RELINQUISHED BY:				DATE:				RECEIVED BY:				DATE:																	
PRINT NAME:				TIME:				PRINT NAME:				TIME:																	
ADDITIONAL REMARKS:																TEMP: <b>612°C</b>		PAGE <b>1</b> OF <b>1</b>											



**Seattle** 11720 North Creek Pkwy N, Suite 400, Bothell, WA 98011-9223  
425.420.9200 fax 425.420.9210  
**Spokane** East 11115 Montgomery, Suite B, Spokane, WA 99206-4776  
509.924.9200 fax 509.924.9290  
**Portland** 9405 SW Nimbus Avenue, Beaverton, OR 97008-7132  
503.906.9200 fax 503.906.9210  
**Bend** 20332 Empire Avenue, Suite F-1, Bend, OR 97701-5711  
541.383.9310 fax 541.382.7588

6 December, 2001

Anne Kranawetter  
Bristol Environmental & Engineering  
2000 W International Airport C#1  
Anchorage, AK 99502-1116

RE: Amchitka

Enclosed are the results of analyses for samples received by the laboratory on 06/16/01 17:58. If you have any questions concerning this report, please feel free to contact me.

This report was recreated from a previously issued final report in order to provide an electronic copy. The final report used for these electronic copies may have been previously issued as an amended report due to client requested changes to sample names, etc. No data has changed since submission of the previously issued final, or amended, report.

Sincerely,

Stephen Wilson  
Environmental Group Leader

Work Orders included in this report:

**M106053**



**Seattle** 11720 North Creek Pkwy N, Suite 400, Bothell, WA 98011-9223  
425.420.9200 fax 425.420.9210  
**Spokane** East 11115 Montgomery, Suite B, Spokane, WA 99206-4776  
509.924.9200 fax 509.924.9290  
**Portland** 9405 SW Nimbus Avenue, Beaverton, OR 97008-7132  
503.906.9200 fax 503.906.9210  
**Bend** 20332 Empire Avenue, Suite F-1, Bend, OR 97701-5711  
541.383.9310 fax 541.382.7588

Bristol Environmental & Engineering  
2000 W International Airport C#1  
Anchorage, AK 99502-1116

Project: Amchitka  
Project Number: 21090  
Project Manager: Anne Kranawetter

**Reported:**  
06/19/01 12:41

#### ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
01AMC2101SL	M106053-01	Soil	06/16/01 17:10	06/16/01 17:58

C. O. C. # 92

North Creek Analytical - Mobile Lab

Stephen Wilson, Environmental Group Leader

*The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.*

**North Creek Analytical, Inc.**  
**Environmental Laboratory Network**

1 of 4



**Seattle** 11720 North Creek Pkwy N, Suite 400, Bothell, WA 98011-9223  
425.420.9200 fax 425.420.9210  
**Spokane** East 11115 Montgomery, Suite B, Spokane, WA 99206-4776  
509.924.9200 fax 509.924.9290  
**Portland** 9405 SW Nimbus Avenue, Beaverton, OR 97008-7132  
503.906.9200 fax 503.906.9210  
**Bend** 20332 Empire Avenue, Suite F-1, Bend, OR 97701-5711  
541.383.9310 fax 541.382.7588

Bristol Environmental & Engineering  
2000 W International Airport C#1  
Anchorage, AK 99502-1116

Project: Amchitka  
Project Number: 21090  
Project Manager: Anne Kranawetter

**Reported:**  
06/19/01 12:41

**Hydrocarbon Identification per NW-TPH Methodology**  
**North Creek Analytical - Mobile Lab**

Analyte	Result	Reporting Limit	Units	Dilution	Method	Prepared	Analyzed	Batch	Notes
<b>01AMC2101SL (M106053-01) Soil</b>					Sampled: 06/16/01 Received: 06/16/01				<b>R-05</b>
Gasoline Range Hydrocarbons	ND	100	mg/kg	1	NWTPH HCID	06/17/01	06/18/01	0106060	
Diesel Range Hydrocarbons	ND	250	"	"	"	"	"	"	
<b>Heavy Oil Range Hydrocarbons</b>	<b>1470</b>	501	"	"	"	"	"	"	
<i>Surr: 1-Chlorooctadecane</i>	<i>128 %</i>	<i>50-150</i>							

North Creek Analytical - Mobile Lab

Stephen Wilson, Environmental Group Leader

*The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.*

**North Creek Analytical, Inc.**  
**Environmental Laboratory Network**

2 of 4



**Seattle** 11720 North Creek Pkwy N, Suite 400, Bothell, WA 98011-9223  
425.420.9200 fax 425.420.9210  
**Spokane** East 11115 Montgomery, Suite B, Spokane, WA 99206-4776  
509.924.9200 fax 509.924.9290  
**Portland** 9405 SW Nimbus Avenue, Beaverton, OR 97008-7132  
503.906.9200 fax 503.906.9210  
**Bend** 20332 Empire Avenue, Suite F-1, Bend, OR 97701-5711  
541.383.9310 fax 541.382.7588

Bristol Environmental & Engineering  
2000 W International Airport C#1  
Anchorage, AK 99502-1116

Project: Amchitka  
Project Number: 21090  
Project Manager: Anne Kranawetter

**Reported:**  
06/19/01 12:41

### Hydrocarbon Identification per NW-TPH Methodology - Quality Control

#### North Creek Analytical - Mobile Lab

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC Limits	RPD	RPD Limit	Notes
---------	--------	--------------------	-------	----------------	------------------	----------------	-----	--------------	-------

#### Batch 0106060 - TPH-HCID (WA)

##### Blank (0106060-BLK1)

Prepared: 06/17/01 Analyzed: 06/18/01

Gasoline Range Hydrocarbons	ND	10.0	mg/kg
Diesel Range Hydrocarbons	ND	25.0	"
Heavy Oil Range Hydrocarbons	ND	50.0	"

<i>Surr: 1-Chlorooctadecane</i>	<i>10.5</i>		<i>"</i>	<i>10.0</i>	<i>105</i>	<i>50-150</i>
---------------------------------	-------------	--	----------	-------------	------------	---------------

North Creek Analytical - Mobile Lab

Stephen Wilson, Environmental Group Leader

*The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.*

**North Creek Analytical, Inc.**  
**Environmental Laboratory Network**



**Seattle** 11720 North Creek Pkwy N, Suite 400, Bothell, WA 98011-9223  
425.420.9200 fax 425.420.9210  
**Spokane** East 11115 Montgomery, Suite B, Spokane, WA 99206-4776  
509.924.9200 fax 509.924.9290  
**Portland** 9405 SW Nimbus Avenue, Beaverton, OR 97008-7132  
503.906.9200 fax 503.906.9210  
**Bend** 20332 Empire Avenue, Suite F-1, Bend, OR 97701-5711  
541.383.9310 fax 541.382.7588

Bristol Environmental & Engineering  
2000 W International Airport C#1  
Anchorage, AK 99502-1116

Project: Amchitka  
Project Number: 21090  
Project Manager: Anne Kranawetter

**Reported:**  
06/19/01 12:41

### Notes and Definitions

R-05 Reporting limits raised due to dilution necessary for analysis.

DET Analyte DETECTED

ND Analyte NOT DETECTED at or above the reporting limit

NR Not Reported

dry Sample results reported on a dry weight basis. MRLs are adjusted if %Solids are less than 50%.

wet Sample results reported on a wet weight basis (as received)

RPD Relative Percent Difference

North Creek Analytical - Mobile Lab

Stephen Wilson, Environmental Group Leader

*The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.*

**North Creek Analytical, Inc.**  
**Environmental Laboratory Network**

4 of 4

### Items for Project Manager Review

LabNumber	Analysis	Analyte	Exception
			Report recreated from: \\sisters\elmnt\Report\M106053 FINAL 06 19 01 1241.mdb Default Report (not modified)
M106053-01	NW-HCID mod		R-05